Index of Claims

| Application/Control No |
|------------------------|
|------------------------|

09/986,040 Examiner

Robert B. Harrell

Applicant(s)/Patent under Reexamination

ARIGA ET AL.

Art Unit

2142

| <br><b>1</b> | Rejected |
|--------------|----------|
| 11           | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                    | ni na    | m Date   |          |          |          |          |              | .: :::   | Claim Date |          |     |       |          |                     |          |         |         | laina   | Date            |          |           |         |          |                     |                     |           |          |        |          |         |          |          |
|------------------------|----------|----------|----------|----------|----------|----------|--------------|----------|------------|----------|-----|-------|----------|---------------------|----------|---------|---------|---|-----------------|----------|-----------|---------|----------|---------------------|---------------------|-----------|----------|--------|----------|---------|----------|----------|
| - Cir                  |          | -        |          |          | Ť        | ale      | <u>,</u>     |          | 1          | _        |     |       |          |                     |          |         |         |   | -               | ۲        | laim<br>T | Date    |          |                     |                     |           |          |        |          |         |          |          |
| Final                  | Original | 6/29/05  | 12/5/05  |          |          |          |              |          |            |          |     | Final | Original |                     |          |         |         |   |                 |          |           | Final   | Original |                     |                     |           |          |        |          |         |          |          |
| 1                      | 1        | 1        | 11       |          |          |          |              |          |            |          |     |       | 51       |                     |          |         |         | Τ   | П               |          | 7         |         | 101      | $\vdash$            |                     | $\neg$    | T        |        |          | T       |          | $\neg$   |
| 2                      | 2        | <b>V</b> | =        |          |          |          | 丁            |          | ヿ          |          |     |       | 52       |                     |          | $\neg$  | T       | Τ   |                 |          |           |         | 102      |                     | $\Box$              | $\neg$    | $\neg$   |        |          | $\neg$  |          |          |
| 3                      | 3        | 1        | =        |          | $\Box$   |          | $\Box$       |          |            |          |     |       | 53       |                     |          |         |         |   |                 |          |           |         | 103      | Г                   |                     | $\neg$    |          |        |          | $\neg$  |          | $\neg$   |
| 4                      | 4        | 1        | 11       |          |          |          |              |          |            |          |     |       | 54       |                     |          |         | T       | Τ   |                 |          | 7         |         | 104      |                     |                     | $\Box$    |          |        |          | Ī       |          |          |
| 5                      | 5        | 7        | II       |          |          |          |              |          | $\Box$     |          | Н.  |       | 55       |                     |          |         | Т       | 1   | П               |          |           |         | 105      | Г                   | П                   | ヿ         |          |        |          |         | •        |          |
| 6                      | 6        | 7        | ı        |          |          |          |              |          |            |          |     |       | 56       |                     |          |         |         |   |                 |          | 7         |         | 106      |                     | П                   |           | Ī        |        |          |         |          |          |
| 7                      | 7        | 7        | II       |          |          |          |              |          |            |          |     |       | 57       |                     |          |         | Т       | Т   |                 |          |           |         | 107      |                     | П                   |           | T        |        |          |         |          | $\neg$   |
| 8                      | 8        | √        | II       |          |          |          |              |          |            |          |     |       | 58       |                     |          |         |         |   |                 |          |           |         | 108      |                     |                     |           | T        |        |          |         |          |          |
| 9                      | 9        | 1        | =        |          |          |          |              |          |            |          |     |       | 59       |                     |          |         |         |   |                 |          |           |         | 109      |                     |                     |           |          |        |          |         |          |          |
| 10                     | 10       | 1        | =        |          |          |          |              |          |            |          |     |       | 60       | Ш                   |          |         |         |   |                 |          |           |         | 110      |                     |                     |           |          |        |          |         |          |          |
| 11                     | 11       | 1        | =        |          | $\perp$  | $\perp$  | $\perp$      | _        |            |          |     |       | 61       |                     |          |         | $\perp$ |   |                 |          |           |         | 111      |                     |                     |           |          |        |          |         |          |          |
|                        | 12       |          |          |          |          | $\perp$  | $\perp$      |          | _          |          |     |       | 62       |                     |          |         |         |   |                 |          |           |         | 112      |                     |                     |           |          |        |          |         |          |          |
|                        | 13       |          |          |          |          |          |              |          |            |          |     |       | 63       |                     |          |         |         |   |                 |          |           |         | 113      |                     |                     |           | [        |        |          |         |          |          |
|                        | 14       | L        |          |          |          |          |              |          |            |          |     |       | 64       |                     |          |         |         |   |                 |          |           |         | 114      |                     |                     | П         |          |        |          |         |          |          |
|                        | 15       |          |          |          |          |          | l            | _]       |            |          |     |       | 65       |                     |          |         |         |   |                 |          |           |         | 115      |                     | П                   |           |          |        |          |         |          |          |
|                        | 16       | L        |          |          |          |          |              |          |            |          |     |       | 66       |                     |          |         |         |   |                 |          |           |         | 116      |                     |                     | П         |          |        |          |         |          |          |
|                        | 17       |          |          |          |          |          |              |          |            |          |     |       | 67       |                     |          |         |         |   |                 |          |           |         | 117      |                     |                     |           | П        |        |          |         |          |          |
|                        | 18       |          |          |          |          |          |              | I        | $\Box$     |          |     |       | 68       |                     |          |         |         |   |                 |          |           |         | 118      |                     | П                   |           | T        |        |          |         |          |          |
|                        | 19       |          |          |          |          |          |              |          |            |          |     |       | 69       |                     |          |         |         |   |                 |          | ];;;;     |         | 119      |                     | П                   | П         | $\neg$   | $\Box$ |          |         |          |          |
|                        | 20       |          | Ш        |          |          |          |              |          |            |          |     |       | 70       |                     |          |         |         |   |                 | $\cdot$  |           |         | 120      |                     |                     |           |          |        |          |         |          |          |
|                        | 21       |          |          |          |          |          | $\perp$      |          |            |          |     |       | 71       |                     |          |         |         |   |                 |          |           |         | 121      |                     |                     | П         | $\Box$   |        |          |         |          |          |
|                        | 22       |          |          |          |          |          |              |          |            |          |     |       | 72       |                     |          |         |         |   |                 |          |           |         | 122      |                     |                     | $\exists$ |          |        |          |         |          |          |
|                        | 23       |          |          |          | _        | $\perp$  |              |          |            |          |     |       | 73       | Ш                   |          |         |         |   |                 |          |           | Ĺ       | 123      |                     |                     |           |          |        |          |         |          |          |
|                        | 24       |          |          | $\perp$  |          | _        |              | $\perp$  | _          |          |     |       | 74       |                     |          |         |         |   |                 |          |           |         | 124      |                     |                     |           |          |        |          |         |          |          |
|                        | 25       |          |          |          | _        | $\perp$  |              | $\perp$  | _          | ╝        |     |       | 75       |                     |          |         |         |   |                 |          |           |         | 125      |                     |                     |           |          |        |          |         |          |          |
|                        | 26       |          |          |          |          | $\perp$  |              |          | $\perp$    |          |     |       | 76       |                     |          |         |         |   |                 |          |           |         | 126      |                     |                     |           |          |        | ]        |         |          |          |
|                        | 27       |          |          |          | $\perp$  | $\perp$  | $\perp$      | $\perp$  |            |          |     |       | 77       |                     |          |         |         |   |                 |          |           |         | 127      |                     |                     |           |          |        |          |         |          |          |
|                        | 28       |          |          | _        | _        | _        | $\downarrow$ | _        | _          |          |     |       | 78       |                     | _        |         | L       | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | Ш               |          | _         |         | 128      |                     |                     |           |          |        | [        |         |          |          |
|                        | 29       |          |          |          | _        | _        | $\perp$      | _        | $\dashv$   |          |     |       | 79       |                     | $\perp$  |         | ┸       | ↓   |                 |          | _         |         | 129      |                     |                     | $\perp$   | _        |        |          |         |          |          |
|                        | 30       |          |          |          | _        | _        | 4            | _        | _          | _        |     |       | 80       |                     | $\perp$  | _       |         | <u> </u>  | Ш               |          | _         |         | 130      |                     |                     |           |          |        |          |         |          |          |
| <u></u>                | 31       |          |          | _        | _        | _        | 4            | $\perp$  | _          | _        |     |       | 81       |                     | _        |         |         |   |                 |          | _         |         | 131      |                     | Ш                   |           |          |        |          |         |          |          |
| L_                     | 32       | _        | _        |          | _        | _        | $\dashv$     | 4        | 4          |          |     |       | 82       |                     | _        | $\perp$ | ┸       | <u> </u>  | $\sqcup$        |          | _ ::::    |         | 132      | L                   |                     |           |          |        | $\Box$   | $\perp$ |          | $\Box$   |
|                        | 33       |          |          |          | 4        | 4        | 4            | _        | _          | _        |     |       | 83       |                     | $\perp$  | _       | 4_      | ↓_  | Ш               | _        | _         | <u></u> | 133      |                     |                     |           |          |        |          | $\Box$  |          | Ц        |
|                        | 34_      |          |          | _        | 4        | 4        | 4            | _        | 4          | 4        |     |       | 84       | $\Box$              | $\dashv$ | $\perp$ |         | 1   | Ш               |          | _         |         | 134      |                     | Ш                   |           | $\Box$   |        |          |         |          | ╝        |
| <u> </u>               | 35       |          |          | $\dashv$ | $\dashv$ | $\dashv$ | 4            | _        | $\dashv$   | 4        |     |       | 85       | <u> </u>            | _        | $\perp$ | 4       | 4_  | Ш               | $\perp$  | _         | L       | 135      | Ш                   | $\sqcup$            | $\perp$   |          |        | _        |         |          |          |
| $\vdash$               | 36       | <b> </b> |          | $\dashv$ | $\perp$  | _        | 4            | _        | $\dashv$   | 4        |     |       | 86       | $oxed{oxed}$        | _        | 4       | 4_      | ╄-  | Ш               | -        | 4::::     |         | 136      | Ш                   | $\sqcup$            | $\perp$   | _        |        |          |         |          | _        |
|                        | 37       |          |          |          | _        | $\perp$  | _            |          | _          | _        |     |       | 87       | $\sqcup$            | _        | $\bot$  | 4       | ↓_  | $\sqcup$        | $\perp$  | _         |         | 137      | Щ                   | $\sqcup$            | _         |          | $\Box$ | _        |         | _        | Ц        |
|                        | 38       |          | -        |          | +        | +        | $\dashv$     | $\dashv$ | -+         | _        |     |       | 88       |                     | _        | $\perp$ | $\perp$ | _   | $\sqcup$        |          | -         |         | 138      | Щ                   | $\vdash$            | _         | _        | _      |          | _       | _        | _        |
|                        | 39       |          |          | -        | +        | +        |              |          | $\dashv$   | ᆜ        |     |       | 89       | $\vdash \downarrow$ | _        | $\perp$ | +       | ↓_  | Ш               |          | - ::::    |         | 139      | Ш                   | $\vdash$            | 4         | _        | _      | _        | _       | _        | _        |
| $\vdash$               | 40       | _        |          | $\dashv$ | _        | $\dashv$ | $\dashv$     | -        |            | _        |     |       | 90       |                     | _        | -       | +       | ╀-  | -               |          | 4::::     | ļ       | 140      | Щ                   | $\vdash \downarrow$ | 4         | _        | _      |          | _       | _        | _        |
| <u> </u>               | 41       |          | $\dashv$ | $\dashv$ | $\dashv$ | -        |              | 4        |            | 4        |     |       | 91       | $\sqcup$            |          | +       | +       | ↓_  |                 |          | -         |         | 141      | Ш                   | <b>—</b>            | _         | _        | _      | _        | ļ       | _        | _        |
|                        | 42       |          | $\dashv$ | $\dashv$ |          | $\dashv$ | -            | -        |            |          |     |       | 92       |                     |          |         | 4-      | ـــ   |                 | $\perp$  | 4::::     |         | 142      | Ш                   | $\vdash \downarrow$ | $\dashv$  | 4        | _      | _        | _       | _        |          |
| $\vdash$               | 43       |          | _        | -        |          | +        | -            |          | $\dashv$   | 4        |     |       | 93       | $\sqcup$            | _        |         | -       | 4_  | Ш               |          | 4         |         | 143      | Щ                   | $\dashv$            | _         | _        |        |          |         |          |          |
| $\vdash$               | 44       | _        | $\dashv$ | $\dashv$ | +        | +        | $\dashv$     |          | +          |          |     |       | 94       | $\sqcup$            |          |         | 4       | $\vdash$  | $\sqcup$        | $\dashv$ | 4         |         | 144      | Ш                   | $\vdash$            | $\dashv$  | $\dashv$ | _      | _        | _       | $\dashv$ | _        |
| $\vdash$               | 45       |          |          | $\dashv$ | -        | -+       | +            |          | $\dashv$   | 긕        |     |       | 95       |                     | $\dashv$ | +       | +       |   | $\vdash \vdash$ |          | 4         |         | 145      | $\Box$              | $\vdash$            | $\dashv$  | $\dashv$ | _      | _        | _       | _        | $\dashv$ |
| $\vdash$               | 46<br>47 |          |          | $\dashv$ | +        | +        | $\dashv$     | -        | +          | $\dashv$ |     |       | 96       |                     | $\dashv$ | -       | +-      | +-  | $\vdash \dashv$ |          | 4         |         | 146      | $\vdash \downarrow$ | -                   | $\dashv$  | $\dashv$ |        | _}       | 4       | _        | _        |
| $\vdash \vdash \vdash$ |          | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +            | -        | -          |          |     |       | 97       | $\dashv$            | +        | +       | +-      | ⊢   | $\vdash$        | _        | - ::::    |         | 147      | $\vdash$            | $\dashv$            | 4         | 4        | _      | $\dashv$ | 4       | _        | _        |
| $\vdash$               | 48       | $\dashv$ | $\dashv$ | -        | -+       | -+       | +            | -        | $\dashv$   | 4        |     |       | 98       | $\dashv$            | -        | +       | +       | $\vdash$  | $\vdash \vdash$ | _        | - :::     |         | 148      |                     | +                   |           | 4        |        | _        | _       | _        | _        |
| $\vdash \vdash \vdash$ | 49<br>50 |          | $\dashv$ | $\dashv$ | +        | +        | +            | -+       | -+         | 4        |     |       | 99       |                     | $\dashv$ | -       | +-      |   | $\vdash \vdash$ | _        | -         |         | 149      |                     | -                   | -         | 4        |        | ļ        | _       | _        |          |
| ш                      | _5U      |          |          |          |          |          |              |          |            |          | ::[ |       | 100      |                     |          |         |         |   | ᆜ               | L        | _]:::::   |         | 150      |                     | $\perp$             | _1.       |          | 1      |          |         |          | $\Box$   |